Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No.1 & Final Bill SBR No.30/19-20

Date..... 2019 DATED 30-8-19

EE/ELE/Y/BR No.30/19-20

Dt.30-8-19

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-003-18-000074**

Schedule Docket No. Head of Account : P – 0294 D.R.No.

Name of Work :- Maintenance Repairs & Providing Aerial Bunched cable and Street lighting and automatic timer controller to Major sandeep unikrishna road to Ms Palya by using tubular poles to yelahanka constituency area in Ward No 03

Name of Contractor and Full Address:- M/s Sri Lakshmi Varadaraja Electrical stores,,

Reference to Agreement No:EE(Ele)/YZ/WO/000051/2018-19 Date:- 05/02/2019

Certified that the measurements were taken by me on 3/7/19 and recorded of Pages 256558 to 562 of measurement Book No. 2566/2018-19 and that the work is satisfactorily executed.

Sri Lakshmi Varadaraja Electrical Stores Proprietor

Contractor

T.N. Balakrishna

Officer-in-charge of work

Certified that the measurement were taken by me on ..... and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)

Sub-Division Officer

BBMP, Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Bill = 800088 :00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 8001 :00
3)	" Balance	Sscst 1% 7HH :00
4)	Deduct Payment:	Cost 1% 7HH :00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount	LWCL% 8001 :00
	adjusted towards cash advance recovery of	CBFO.1% 800 :00
	b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Fine 1200 :00
		deductions = 32290 :00
		cheee = 767798 :00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Sri Lakshmi Varadaraja Electrical Stores Proprietor

(For use in the Office)

Witness

1.

2.

Sri Lakshmi Varadaraja Electrical Stores Proprietor

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Stamp

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0294 MYR to Electrical

ರೂ: 800088 :00 ಅಡಿಟ್ ಮಾಡಿ ಪ್ಯಕರಿಸಿದೆ

ರೂ: 767798 :00 ಚೆಕ್ ವಿತರಿಸಲಾಗಿದೆ

ರೂ: 32290 :00 ಹೊರಮಾಲೆಕ ಮಾಡಲಾಗಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಕಾರ್ಯ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description of Item	Unit
	Name Of Work:- Maintenance Repairs & Providing Aerial Bunched cable and Street lighting and automatic timer controller to Major sandeep unikrishna road to Ms Palya by using tubular poles to yelahanka constituency area in Ward No 03	
1	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 16 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr
2	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr
3	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	Nos
4	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos
5	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos
6	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos
7	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos
8	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .8Mtr and above street light pole.	Nos
9	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 25 sqmm	Mtrs
10	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.25 sqmm to 75 sqmm	Mtrs
11	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs
12	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Mtrs
13	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs
14	Laying of UG Cables by trenchless technology by adopting horizontalboring & Drawing of cable including preparation at site With HDPE Pipei) Normal soil 5" bore size	Mtrs
15	2 Pin Cross Arm with pole clamp, bolt & nuts & washers for RCC Pole - MS	Nos
16	Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos
17	Suspension Clamp Assembly16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos
18	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos
19	Fixing of 2 Pin cross arm with insulator and Braces fixing	Nos
20	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	Nos
21	Installation of Insulation piercing connector for main to street lightMain : 16-95sqmm, Tap : 1.5-10sqmm(EP95)	Nos
22	Fixing of Universal Hook/Dead end clamp	Nos

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		1894	110.00	208340.00	1894	208340.00	
		1894	7.00	13258.00	1894	13258.00	
		10	370.00	3700.00	10	3700.00	
		10	250.00	2500.00	10	2500.00	
		10	700.00	7000.00	10	7000.00	
		10	200.00	2000.00	10	2000.00	
		5	1000.00	5000.00	5	5000.00	
		10	640.00	6400.00	10	6400.00	
		148	160.00	23680.00	148	23680.00	
		148	10.00	1480.00	148	1480.00	
		125	65.00	8125.00	125	8125.00	
		69	120.00	8280.00	69	8280.00	
		48	200.00	9600.00	48	9600.00	
		90	800.00	72000.00	90	72000.00	
		25	150.00	3750.00	25	3750.00	
		25	175.00	4375.00	25	4375.00	
		24	175.00	4200.00	24	4200.00	
		4	200.00	800.00	4	800.00	
		24	100.00	2400.00	24	2400.00	
		24	100.00	2400.00	24	2400.00	
		24	100.00	2400.00	24	2400.00	
		4	100.00	400.00	4	400.00	

23	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sqcm
24	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos
25	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate .Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	Nos
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

T.C.N. Reddy
JCRly

Assistant Executive Engineer (Ele)
BBMP, Bangalore

		210000	0.30	63000.00	210000	63000.00	
		10	3000.00	30000.00	10	30000.00	
		7	45000.00	315000.00	7	315000.00	
				800088.00		800088.00	